

Title (en)
Non-aqueous electrolyte secondary battery

Title (de)
Akkumulator mit nichtwässrigem Elektrolyt

Title (fr)
Accumulateur à électrolyte non-aqueux

Publication
EP 0777287 A2 19970604 (EN)

Application
EP 96117858 A 19961107

Priority
JP 30938195 A 19951128

Abstract (en)
A non-aqueous electrolyte secondary battery employs a negative electrode which contains an alkali metal as an active material, and is provided with a polymer film thereon, the polymer film being provided with a gel electrolyte thereon. The polymer film is made of a polymeric monomer which has a molecular weight/terminal polymer functional group number \bar{U} of 500 or less, and a structure represented by one of the formulas (1)-(4): <CHEM> wherein EO refers to $\text{CH}_2\text{CH}_2\text{O}$, PO refers to $\text{CH}_2(\text{CH}_3)\text{CHO}$, (EO m PO n) indicates one of random polymerization and block polymerization, and wherein m and n do not represent 0 at the same time where $0 \leq m$ and $0 \leq n$. <IMAGE>

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H01M 10/40

IPC 8 full level
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CPC (source: EP US)
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Cited by
EP0994522A3; US7199211B2; US7259212B2; US6737196B2; WO03104300A1; WO03104301A1; WO9949531A1

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